```
=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 16:10:28 ON 13 NOV 1998
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FILE COVERS 1967 - 13 Nov 1998  VOL 129 ISS 20
FILE LAST UPDATED: 13 Nov 1998  (981113/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

 This file supports REG1stRY for direct browsing and searching of
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 more information.

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=> d stat que l5

L1                STR
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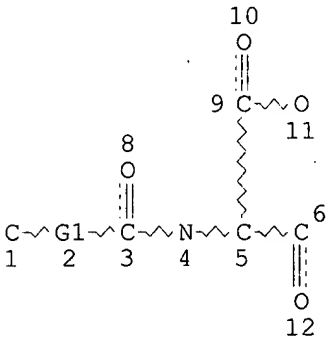


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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  11

STEREO ATTRIBUTES: NONE
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L4               SEL  PLU=ON  L2 1- CHEM :       8 TERMS
L5             4 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L4

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=> d .caabs l5 1-4


L5   ANSWER 1 OF 4  HCAPLUS  COPYRIGHT 1998 ACS
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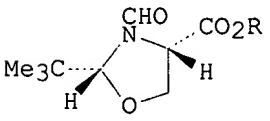
AN 1995:812846 HCAPLUS
DN 123:227901
TI Process for the preparation of ceramides
SO Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW
IN Davey, Paul Nicholas; Hardinge, Brian John; Newman, Christopher Paul; Richardson, Clive Derek
PI EP 646572 A1 19950405
AI EP 94-202718 19940922
PY 1995
AB Ceramides were prepd. by a two-step process involving conversion of a 2-hydroximino-3-oxoalkanoate into a 2-alkanoylamido-3-oxoalkanoate intermediate by acylation of the oxime and redn. of the oxime ester group to an amido group, followed by redn. of the keto and ester group of the intermediate to the 2,3-diol of the ceramide. The oxime acylation and the first redn. may be carried out consecutively or simultaneously. The first redn. is preferably a catalytic hydrogenation and the second redn. is preferably a borohydride redn. Thus, Me(CH2)12COCH2CO2Me was converted to the 2-oximino deriv. with NaNO2, the oxime was O-acetylated and catalytically reduced in presence of palmitic anhydride to Me(CH2)12COC[NHCO(CH2)14Me]CO2Me. This ester was then reduced with NaBH4 to give Me(CH2)12CH(OH)C[NHCO(CH2)14Me]CH2OH as an erythro-threo mixt. The products are useful in cosmetic compns. (no data).
IT **168167-97-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of ceramides)

L5 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 1998 ACS
AN 1994:680580 HCAPLUS
DN 121:280580
TI Acylation of diethyl acetamidomalonate. Synthesis and reactivity of 4-ethoxycarbonyloxazole
SO Bull. Soc. Chim. Fr. (1994), 131(6), 642-7
CODEN: BSCFAS; ISSN: 0037-8968
AU Loupy, Andre; Petit, Alain; Zaparucha, Anne; Mahieu, Claude; Semeria, Didier
PY 1994
AB The acylation of di-Et acetamidomalonate by palmitoyl chloride was performed using KOCMe3 in THF. Subsequent reaction of the acylmalonate in DMSO or NMP (1-methyl-2-pyrrolidinone) led to Et 2-methyl-5-pentadecyl-4-oxazolecarboxylate (76% yield for the two steps). Ring opening and other reactions of the oxazole were carried out.
IT **158985-62-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. by acylation of acetamidomalonate)

L5 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 1998 ACS
AN 1991:24532 HCAPLUS
DN 114:24532
TI Synthesis of 2-carboxy-substituted sphingosine derivatives
SO J. Carbohydr. Chem. (1990), 9(5), 543-59
CODEN: JCACDM; ISSN: 0732-8303
AU Singh, Narrinder P.; Giannis, Athanassios; Henk, Elfi; Kolter, Thomas; Sandhoff, Konrad; Schmidt, Richard R.
PY 1990
GI



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AB Enantioselective acylation and .alpha.-hydroxyalkylation of serine was performed via its optically pure 2-tert-butyloxazolidine derivs., e.g. I (R = Me, CH2Ph), known to undergo partial chirality transfer from serine to the 2-position of I and then to the 4-position. Thus, after acid hydrolysis, compds. (R)- and (S)-HOCH2C(CO2R)(NH2)COR1 [II; R = Me, R1 = Me(CH2)8, Me(CH2)14], (R)-II [R = CH2Ph, R1 = Me(CH2)8; R = Me, R1 = (E)-CH:CH(CH2)12Me], and (2R,3S)-HOCH2C(CO2H)(NH2)CH(OH)(CH2)10Me are provided highly stereoselectively.

IT **131148-83-9P 131166-64-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

L5 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 1998 ACS
AN 1989:532596 HCAPLUS
DN 111:132596
TI Method of acylaminomalonic acid monoalkylesters preparation
SO Czech., 5 pp.
CODEN: CZXXA9
IN Marek, Miroslav; Gajewski, Karel; Jary, Jiri
PI CS 251361 B1 19880315
AI CS 85-2418 19850402
PY 1988
AB Monoalkyl esters of acylaminomalonic acid are prepd. from dialkylesters RCONHCH(COOR1)(COOR2) (R1, R2 = C1-3 alkyl; R = H, C1-11 alkyl, Ph, 2-chlorophenyl, 4-chlorophenyl, B2) by esterase or proteinase catalysis, in which pH is maintained at 7.5-8.3 by addn. of an alkali metal bicarbonate or NH4CO3, and the monoalkylester is isolated by cooling to 0-5.degree. and acidification ot pH 1.5-3 with a mineral acid. Thus, 1 part acetamidomalonic acid diethylester (I) was mixed with 4 parts H2O contg. .alpha.-chymotrypsin 0.01 and CaCl 0.01 wt. % at 20.degree.. The reaction was controlled by soly. of I and CO2 evolution. After completion of hydrolysis, the mixt. was cooled to 0.50 and pH was adjusted to 1.5 with HCl. The ppt. was washed and dried at 20.degree., yielding acetamidomalonic acid monoethylester, m.p. 131-132.degree.. Yield was 94%.

IT **93478-90-1**
RL: RCT (Reactant)
(hydrolysis of, by .alpha.-chymotrypsin)

IT **89713-91-7P**
RL: PREP (Preparation)
(prepn. of, .alpha.-chymotrypsin in)

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=> fil caold

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FILE COVERS 1957-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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=> s l2

L6            6 L2

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=> d all l6 1-6


L6   ANSWER 1 OF 6  COPYRIGHT 1998 ACS
AN   CA57:3453e  CAOLD
DT   Patent
IT  89169-70-0  89713-91-7  95516-23-7  95516-24-8  96951-44-9
     97045-23-3

L6   ANSWER 2 OF 6  COPYRIGHT 1998 ACS
AN   CA57:3453d  CAOLD
DT   Patent
IT  53872-43-8  91396-08-6  91396-09-7  91958-60-0  93478-90-1
     97439-75-3

L6   ANSWER 3 OF 6  COPYRIGHT 1998 ACS
AN   CA55:15470h  CAOLD
IT  89169-70-0  89713-91-7  96951-44-9  97045-23-3

L6   ANSWER 4 OF 6  COPYRIGHT 1998 ACS
AN   CA55:15470g  CAOLD
IT  53872-43-8  91396-08-6  91396-09-7  91958-60-0  93478-90-1
     95516-23-7  95516-24-8  97439-75-3

L6   ANSWER 5 OF 6  COPYRIGHT 1998 ACS
AN   CA55:5532a  CAOLD
DT   Patent
IT  99063-39-5 100950-74-1 101572-85-4 102544-02-5 108950-16-9
     109499-56-1 111385-81-0 111638-44-9 115272-34-9 131240-50-1

L6   ANSWER 6 OF 6  COPYRIGHT 1998 ACS
AN   CA53:21889g  CAOLD
IT  99063-39-5 100950-74-1 101572-85-4 102544-02-5 108488-83-1
     108950-16-9 109499-56-1 110056-29-6 110439-43-5 111385-81-0
     111638-44-9 112744-54-4 113569-22-5 115272-34-9 131240-50-1

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DICTIONARY FILE UPDATES: 12 NOV  98  HIGHEST RN 213879-71-1

TSCA INFORMATION NOW CURRENT THROUGH JUNE 29, 1998

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

  Stereochemical name changes have been adopted and appear in CN's
  beginning 6/29/98.  See the online news message for details.
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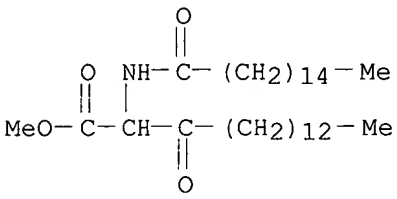
=> d ide can l2 1-8

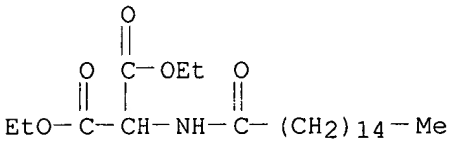
L2 ANSWER 1 OF 8 REGISTRY COPYRIGHT 1998 ACS
RN 168167-97-3 REGISTRY
CN Hexadecanoic acid, 3-oxo-2-[(1-oxohexadecyl)amino]-, methyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C33 H63 N O4
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:227901

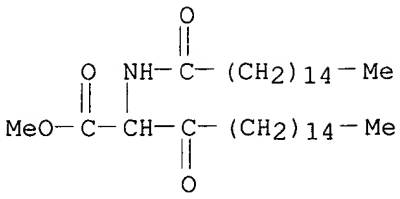
L2 ANSWER 2 OF 8 REGISTRY COPYRIGHT 1998 ACS
RN 158985-62-7 REGISTRY
CN Propanedioic acid, [(1-oxohexadecyl)amino]-, diethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C23 H43 N O5
SR CA
LC STN Files: CA, CAPLUS, CASREACT



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 121:280580

L2 ANSWER 3 OF 8 REGISTRY COPYRIGHT 1998 ACS
RN 131166-64-8 REGISTRY
CN Octadecanoic acid, 3-oxo-2-[(1-oxohexadecyl)amino]-, methyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Octadecanoic acid, 3-oxo-2-[(1-oxohexadecyl)amino]-, methyl ester, (.+-.)-
FS 3D CONCORD
MF C35 H67 N O4
SR CA
LC STN Files: CA, CAPLUS

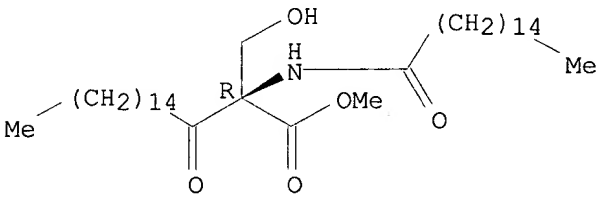


1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 114:24532

L2 ANSWER 4 OF 8 REGISTRY COPYRIGHT 1998 ACS
RN 131148-83-9 REGISTRY
CN Octadecanoic acid, 2-(hydroxymethyl)-3-oxo-2-[(1-oxohexadecyl)amino]-, methyl ester, (R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C36 H69 N O5
SR CA
LC STN Files: CA, CAPLUS, CASREACT

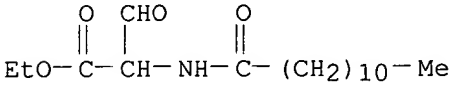
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

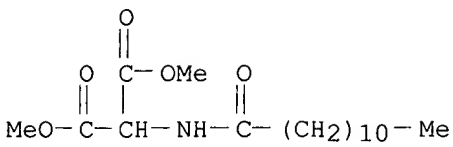
REFERENCE 1: 114:24532

L2 ANSWER 5 OF 8 REGISTRY COPYRIGHT 1998 ACS
RN 101572-85-4 REGISTRY
CN Malonaldehydic acid, lauramido-, ethyl ester (6CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H31 N O4
SR CAOLD
LC STN Files: CAOLD



2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

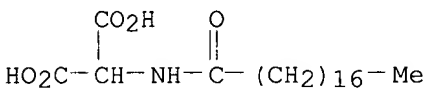
L2 ANSWER 6 OF 8 REGISTRY COPYRIGHT 1998 ACS
RN 93478-90-1 REGISTRY
CN Propanedioic acid, [(1-oxododecyl)amino]-, dimethyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Malonic acid, lauramido-, dimethyl ester (6CI, 7CI)
FS 3D CONCORD
MF C17 H31 N O5
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)



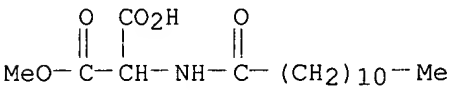
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 111:132596

L2 ANSWER 7 OF 8 REGISTRY COPYRIGHT 1998 ACS
RN 90050-84-3 REGISTRY
CN Propanedioic acid, [(1-oxooctadecyl)amino]-, monosodium salt (9CI) (CA INDEX NAME)
MF C21 H39 N O5 . Na



L2 ANSWER 8 OF 8 REGISTRY COPYRIGHT 1998 ACS
RN 89713-91-7 REGISTRY
CN Propanedioic acid, [(1-oxododecyl)amino]-, monomethyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Malonic acid, lauramido-, methyl ester (6CI, 7CI)
FS 3D CONCORD
MF C16 H29 N O5
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 111:132596

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L3           4 S L2

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               SET SMARTSELECT OFF

     FILE 'HCAPLUS' ENTERED AT 16:09:33 ON 13 NOV 1998
L5           4 S L4

     FILE 'HCAPLUS' ENTERED AT 16:10:28 ON 13 NOV 1998

     FILE 'CAOLD' ENTERED AT 16:10:47 ON 13 NOV 1998
L6           6 S L2

     FILE 'REGISTRY' ENTERED AT 16:11:00 ON 13 NOV 1998

=> d cost

COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CONNECT CHARGES                                   0.32       7.87
DISPLAY CHARGES                                  11.14      29.58
                                                -------    -------
                                                 11.46      37.45
CAPLUS FEE (5%)                                   0.00       0.70
                                                -------    -------
FULL ESTIMATED COST                              11.46      38.15

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00      -2.06

IN FILE 'REGISTRY' AT 16:11:30 ON 13 NOV 1998
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S2	62	LIPOPHILIC (W) SUBSTITUENT
S3	39	RD (unique items)
S4	2	MYRISTOYL (2N) GLUTAMYL
S5	242	GLP(W)2 OR GLP2
S6	112	RD (unique

(FILE 'USPAT' ENTERED AT 08:10:15 ON 23 DEC 1998)

L1 49 S LIPOPHILIC SUBSTITUENT

L2 3 S MYRISTOYL (2A) GLUTAMYL

L3 15 S GLP(W)2 OR (GLUCAGON LIKE PEPTIDE 2)